

Central Line Associated Blood Stream Infections (CLABSI) Rate Reduction Strategy (CRRS)

Goal:

Reduction of the National CLABSI Rate to **(0.9 cases per 1000 central line days)** or less in all MOH critical care units.

How could we, together, achieve our goal?

By Implementing CLABSI Care Preventive Bundles.

What are the CLABSI Care Preventive Bundles?

EVIDENCE-BASED PRACTICES that are implemented as one package to reduce CLABSI Rate.

Components of Central Line Insertion Bundle:

1. **Hand hygiene before and after any manipulation of the Central Venous Catheter (CVC) insertion site.**
2. **Use Maximal Barrier Precautions including:** Sterile gloves, Sterile gown, Head Cap, Surgical mask, and Sterile full body drape.
3. **Disinfection of the insertion site with a solution of 2 % chlorhexidine in 70% isopropyl alcohol and allow skin to dry before CVC insertion.**
4. **Optimal catheter site Selection, with avoidance of the Femoral Site Insertion until absolutely necessary**

Components of Central line maintenance bundle

1. **Hand hygiene before and after any manipulation of the vascular access site.**
2. **Daily review of the need for catheter with prompt removal of unnecessary lines.**
3. **Proper dressing choice**
 - Use transparent semipermeable dressing
 - Use gauze dressings only if the site is bleeding or oozing
4. **Proper frequency of dressing change**
 - Replace transparent dressing every 7 days
 - Replace gauze dressing every 48 hours
 - Replace immediately any dressing that is soiled, dampened, or loosened
 - **Proper replacement of administration sets:** Generally, administration sets are replaced no more frequently than at 96-hour intervals, but at least every 7 days.